

WHAT IS CLAIMED IS:

1. A system comprising:

a controller;

a monitor connected with said controller;

at least one object to be controlled, said object connected with said controller;

development means for developing a program for said controlled object;

implement means for implementing the program developed by said development means; and

a software module uniquely assigned to said object, said software module being in a form of software providing at least one of procedures including,

an icon procedure for displaying an icon for said object in a display area on said monitor,

a description procedure for describing a control process for said object, and

an implement procedure for implementing the control process developed for said object.

2. The system according to Claim 1,

wherein said object includes at least one device from which said development means acquires a global unique ID or another similar data thereto, and

wherein said development means identifies said

41B
AS

0304361-0304361

software module with the global unique ID or another similar data thereto.

3. The system according to Claim 2,

wherein said software module is stored within said object so that said development means acquires said software module from said controlled object.

4. The system according to Claim 2,

wherein said software module is stored within a database server connected with said development means through a communication bus so that said development means acquires said software module from the database server.

5. The system according to Claim 2,

wherein said development means provides a display area on the monitor, in which at least one icon is displayed, the icon representing for said object connected to said controller or said object to be connected to said controller.

6. The system according to Claim 5,

wherein the icon procedure displays a plurality of icons in the display area on said monitor, each icon illustrating a current status of said object.

SUB
AS 7

10
15
20
25

10 15

7. The system according to Claim 5,
wherein said development means provides a development area on said monitor, and
wherein the user copies the icon from the display area onto the development area, thereby to develop the program.
8. The system according to Claim 7,
wherein the user utilizes the description procedure for describing a control process for said object determining an operation of said object, thereby to develop the program.
9. The system according to Claim 8,
wherein the icon procedure displays a plurality of icons in the display area on said monitor, each icon illustrating an operation of said object.
10. The system according to Claim 7,
wherein the user connects a plurality of the icons with each other to form a flowchart in the development area, thereby to develop the program.
11. The system according to Claim 9,
wherein said development means displays the icons in

12. The system according to Claim 6,
 wherein said development means displays the icons in
 the display area, illustrates the operation of said object
 while said implement means implements the program, whereby
 the monitor is used for displaying the operation thereof.

14. The system according to Claim 7,
wherein said object is connected with said controller
through an interface serving functions including a Plug and
Play function or a Hot Plug function.

a monitor connected with said controller,

at least one object to be controlled, said object

[illegible]

10

15

implement means for implementing the program developed
by said development means, and

said system in which said object includes at least one device,

a first subprocess, in which said development means
acquires a global unique ID or another similar data thereto
from said device;

a second subprocess, in which said development means identifies said software module with the global unique ID or another similar data thereto;

a third subprocess, in which said development means provides a display area on the monitor, in which at least one icon is displayed, the icon representing for said object connected to said controller or said object to be



50B
A15

5 display area onto the development area, thereby to develop
an application program.

Odd
B1

[illegible]